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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   |   | <b>ATTORNEY'S DOCKET NUMBER</b><br>HEU-005US |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/014627   | INTERNATIONAL FILING DATE<br>22 December 2004 | <b>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)</b><br>10/581116 |  |
|  |   | <b>PRIORITY DATE CLAIMED</b><br>22 December 2003                    |  |
| <b>TITLE OF INVENTION</b><br>BACTERIA SUPPORT MATERIAL   |   |   |  |
| <b>APPLICANT(S) FOR DO/EO/US</b><br>Antonio GIANGRASSO   |   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |  |
| 1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.<br>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.<br>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input type="checkbox"/> The US has been elected (Article 31).<br>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))<br>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |   |   |  |
| <b>Items 11 to 20 below concern document(s) or information included:</b>   |   |   |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.<br>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).   |   |   |  |

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|   |  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
|---|--|---|---|-------|--------------|---|-----|----|----------------------------|-------|--|--|-----|--|---|-------|----|---|-------|--|---------------------------|-------|--|---------------------------------|--|----|---|--|--|--------------|--------------|---|------|---------|-------|--|------------|--|--|--|----|--------|--------------|--------------|------|--------------|--------|--|---|--------------------|-------|--|---|---|--|--|---|--------------------------------------|--|--|----|--|--|--|--|-------------------|--|--|----|---|--|--|----|-----------------------------|--|--|---------|--|--|--|------|--|--|--|----|------------------------------|--|--|------|--|--|--|---------------------------|--|--|--|-------------------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br>10/581116  | INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/014627 | ATTORNEY'S DOCKET NUMBER<br>HEU-005US   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <p style="margin-left: 20px;">Response to Notification of Missing Requirements<br/>Copy of Notification of Missing Requirements<br/>Return Receipt Postcard<br/>Certificate of Express Mailing</p>   |  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <p>The following fees have been submitted</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)) .....</td> <td style="width: 10%;">\$300</td> <td style="width: 30%; text-align: right;">CALCULATIONS</td> </tr> <tr> <td><input type="checkbox"/> Examination fee (37 CFR 1.492(c))<br/>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$0</td> <td>\$</td> </tr> <tr> <td>All other situations .....</td> <td>\$200</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Search fee (37 CFR 1.492(b))<br/>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....</td> <td>\$0</td> <td></td> </tr> <tr> <td>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....</td> <td>\$100</td> <td>\$</td> </tr> <tr> <td>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....</td> <td>\$400</td> <td></td> </tr> <tr> <td>All other situations.....</td> <td>\$500</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL OF 21, 22 and 23 =</b></td> <td>\$</td> </tr> <tr> <td colspan="3"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br/>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> <tr> <td colspan="3">Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> <td>\$</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total claims</td> <td>- 20 =</td> <td></td> <td>x</td> </tr> <tr> <td>Independent claims</td> <td>- 3 =</td> <td></td> <td>x</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+</td> </tr> <tr> <td colspan="3"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$</td> </tr> <tr> <td colspan="3"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.         </td> <td></td> </tr> <tr> <td colspan="3"><b>SUBTOTAL =</b></td> <td>\$</td> </tr> <tr> <td colspan="3">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>\$</td> </tr> <tr> <td colspan="3"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 0.00</td> </tr> <tr> <td colspan="3">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>\$ +</td> </tr> <tr> <td colspan="3"></td> <td>\$</td> </tr> <tr> <td colspan="3"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 0</td> </tr> <tr> <td colspan="3"></td> <td>Amount to be refunded: \$</td> </tr> <tr> <td colspan="3"></td> <td>Amount to be charged \$</td> </tr> </table> |  |   | 21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... | \$300 | CALCULATIONS | <input type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... | \$0 | \$ | All other situations ..... | \$200 |  | <input type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... | \$0 |  | Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... | \$100 | \$ | International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... | \$400 |  | All other situations..... | \$500 |  | <b>TOTAL OF 21, 22 and 23 =</b> |  | \$ | <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |  |  | Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | - 100 = | /50 = |  | x \$250.00 | Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). |  |  | \$ | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | - 20 = |  | x | Independent claims | - 3 = |  | x | MULTIPLE DEPENDENT CLAIM(S) (if applicable) |  |  | + | <b>TOTAL OF ABOVE CALCULATIONS =</b> |  |  | \$ | <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. |  |  |  | <b>SUBTOTAL =</b> |  |  | \$ | Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). |  |  | \$ | <b>TOTAL NATIONAL FEE =</b> |  |  | \$ 0.00 | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property |  |  | \$ + |  |  |  | \$ | <b>TOTAL FEES ENCLOSED =</b> |  |  | \$ 0 |  |  |  | Amount to be refunded: \$ |  |  |  | Amount to be charged \$ |
| 21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)) .....   | \$300  | CALCULATIONS  |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <input type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....   | \$0  | \$  |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| All other situations .....  | \$200  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <input type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....  | \$0  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....   | \$100  | \$  |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....   | \$400  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| All other situations.....   | \$500  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <b>TOTAL OF 21, 22 and 23 =</b>   |  | \$  |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
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| Total Sheets  | Extra Sheets                                       | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| - 100 =   | /50 =  |   | x \$250.00  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
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| CLAIMS  | NUMBER FILED                                       | NUMBER EXTRA  | RATE  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| Total claims  | - 20 =   |   | x   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| Independent claims  | - 3 =  |   | x   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |  |   | +   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |  |   | \$  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  |  |   |   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <b>SUBTOTAL =</b>   |  |   | \$  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |  |   | \$  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <b>TOTAL NATIONAL FEE =</b>   |  |   | \$ 0.00   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |  |   | \$ +  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
|   |  |   | \$  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
| <b>TOTAL FEES ENCLOSED =</b>  |  |   | \$ 0  |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
|   |  |   | Amount to be refunded: \$   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |
|   |  |   | Amount to be charged \$   |       |              |   |     |    |                            |       |  |  |     |  |   |       |    |   |       |  |                           |       |  |                                 |  |    |   |  |  |              |              |   |      |         |       |  |            |  |  |  |    |        |              |              |      |              |        |  |   |                    |       |  |   |   |  |  |   |                                      |  |  |    |  |  |  |  |                   |  |  |    |   |  |  |    |                             |  |  |         |  |  |  |      |  |  |  |    |                              |  |  |      |  |  |  |                           |  |  |  |                         |

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**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

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April 23, 2007  
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SIGNATURE

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NAME

43,670  
REGISTRATION NUMBER

AJW



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| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|------------------|
| 10/581,116                  | Antonio Giangrasso    | HEU-005US        |

959  
LAHIVE & COCKFIELD, LLP  
ONE POST OFFICE SQUARE  
BOSTON, MA 02109-2127

**DOCKETED**

May 22, 2007 - Missing Requirements  
Oct. 22, 2007 - E.S.P. W/5 Mos. Ext.

| INTERNATIONAL APPLICATION NO. |                       |
|-------------------------------|-----------------------|
| I.A. FILING DATE              | PRIORITY DATE         |
| PCT/EP04/14627                | 12/22/2004 12/22/2003 |

**CONFIRMATION NO. 5187**  
**371 FORMALITIES LETTER**



\*OC000000023027711\*

Date Mailed: 03/22/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/31/2006
- English Translation of the IA filed on 05/31/2006
- Copy of the International Search Report filed on 05/31/2006
- Preliminary Amendments filed on 05/31/2006
- Information Disclosure Statements filed on 05/31/2006
- U.S. Basic National Fees filed on 05/31/2006
- Priority Documents filed on 05/31/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

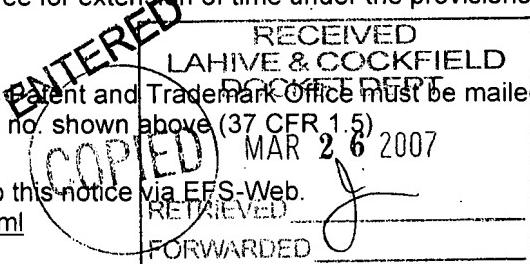
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
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For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

SHAKEEL AHMED

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Telephone: (703) 308-9140 EXT 208

PART 1 - ATTORNEY/APPLICANT COPY

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| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/581,116                  | PCT/EP04/14627                | HEU-005US        |

FORM PCT/DO/EO/905 (371 Formalities Notice)

Docket No.: HEU-005US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Antonio Giangrasso

Application No.: 10/581,116

Confirmation No.: 5187

Filing Date of  
International Application: December 22, 2004

Art Unit: N/A

For: BACTERIA SUPPORT MATERIAL

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C.**  
**371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE**

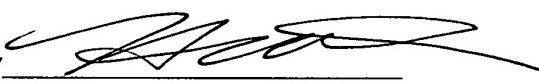
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed March 22, 2007, Applicant(s) respectfully submit(s) a Declaration, Petition and Power of Attorney, as well as a copy of the Notification of Missing Requirements.

Dated: April 23, 2007

Respectfully submitted,

By   
Danielle L. Herritt  
Registration No.: 43,670  
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Attorney/Agent For Applicant

Application No. (if known): 10/581,116

Attorney Docket No.: HEU-005US

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